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MAR 20 2003
PATENT & TRADEMARK
Docket No.: 202048US0

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Dmt
3-28-03

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

Vitaly LIVSHITS, et al.

: EXAMINER: KERR

SERIAL NO: 09/761,782 :

FILED: JANUARY 18, 2001

: GROUP ART UNIT: 1652

FOR: MUTANT ILVH GENE AND METHOD FOR PRODUCING L-VALINE

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MAR 27 2003

TECH CENTER 1600/2900

AMENDMENT AND REQUEST FOR RECONSIDERATION

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Responsive to the Official Action mailed October 22, 2002, reconsideration is respectfully requested in view of the following amendment and comments.

IN THE ABSTRACT OF THE DISCLOSURE

✓ Please cancel the original Abstract appearing on page 37 and insert therefor the substitute Abstract submitted herewith as new page 37.

IN THE SPECIFICATION

Please replace the paragraph beginning on page 24, line 3 with the following text:

Q2 The mutation *ilvH1* (¹⁷Ser to Phe), *ilvH2* (¹⁴Gly to Asp), *ilvH3* (²⁹Asn to Tyr), *ilvH4* (²⁹Asn to Lys) and *ilvH612* (²⁹Asn to Lys and ⁹²Gln to a termination codon, TAG), conferred enzyme AHASIII resistance to L-valine inhibition as follows. That is, *E. coli* strain MI262 deficient of AHAS activity, after the introduction of the plasmids having various *ilvIH* genes showed the enzyme activity with different level of resistant to L-valine (Table 1). It can also